

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 7-2005)

ATTORNEY'S DOCKET NUMBER

PU0392

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

to be assigned **10/582443**INTERNATIONAL APPLICATION NO.  
PCT/EP2004/014074INTERNATIONAL FILING DATE  
10 December 2004PRIORITY DATE CLAIMED  
12 December 2003TITLE OF INVENTION  
PURIFICATION SYSTEM

APPLICANT(S) FOR DO/EO/US

LUNDBLAD, Elsa; HEDKVIST, Lotta; and SUNDQVIST, Henrik

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. **EV 801738029 US**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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<p>23. Other items or information:</p> <p>copy of this transmittal letter for charging purposes; Certificate of Mailing by Express Mail; return postcard; copy of the PCT Written Opinion; copy of the PCT International-Type Search Report; copies of the non-US references cited on the Information Disclosure Statement; specification (21pgs); and drawings (7pgs)</p>																																																														
<p>The following fees have been submitted:</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">CALCULATIONS</th> <th style="width: 40%;">PTO USE</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="padding: 5px;"> <p>24. <input checked="" type="checkbox"/> Basic national fee ..... \$300</p> </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> <p>25. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article ..... \$0 All other situations. .... \$200</p> </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> <p>26. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). . . \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority. .... \$100 International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. .... \$400 All other situations. .... \$500</p> </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> <p><b>TOTAL OF 24, 25 and 26 =</b></p> </td> </tr> <tr> <td colspan="2" style="padding: 5px;"> <p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). 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PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

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APR 20 2006 PTO 08 JUN 2006

- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 502-590 in the amount of \$ \$900.00 to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 502-590. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer No.: 22840

GE Healthcare Bio-Sciences Corp.  
Patent Department  
800 Centennial Avenue  
Piscataway, NJ 08855

(732) 457-8000

SIGNATURE 

Yonggang Ji

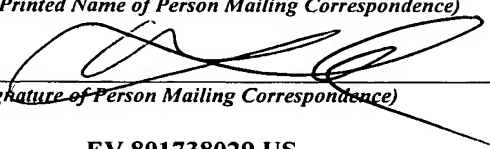
NAME

53,073

REGISTRATION NUMBER

June 8, 2006

DATE

<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b> Applicant(s): Elsa Lundblad			Docket No. PU0392	
Application No. to be assigned <b>107582443</b>	Filing Date to be assigned	Examiner to be assigned	Customer No. 22840	Group Art Unit to be assigned
Invention: Purification System				
<p>I hereby certify that the following correspondence:</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">           Transmittal Ltr(3pgs)w/copy,filing fee,First Preliminary Amendment(5pgs),unsigned combined Declaration/Power of Attorney(4pgs),Form PTO-1449(1pg)w/copies of non-US citations,specification(21pgs),drawings(7pgs),copy of published international application,copy of PCT Search Report,copy of Written Opinion,copy of PCT International-Type Search Report and a return postcard         </div> <p style="text-align: center;"><i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on</p> <div style="margin-top: 20px;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p style="text-align: center;"><u>8 June 2006</u></p> <p style="text-align: center;"><i>(Date)</i></p> </div> <div style="width: 55%;"> <p style="text-align: center;"><u>Melissa Leck</u></p> <p style="text-align: center;"><i>(Typed or Printed Name of Person Mailing Correspondence)</i></p> <div style="text-align: center; margin-top: 10px;">  </div> <p style="text-align: center;"><i>(Signature of Person Mailing Correspondence)</i></p> <p style="text-align: center; margin-top: 10px;"><u>EV 801738029 US</u></p> <p style="text-align: center;"><i>("Express Mail" Mailing Label Number)</i></p> </div> </div> </div>				
<p><b>Note: Each paper must have its own certificate of mailing.</b></p>				